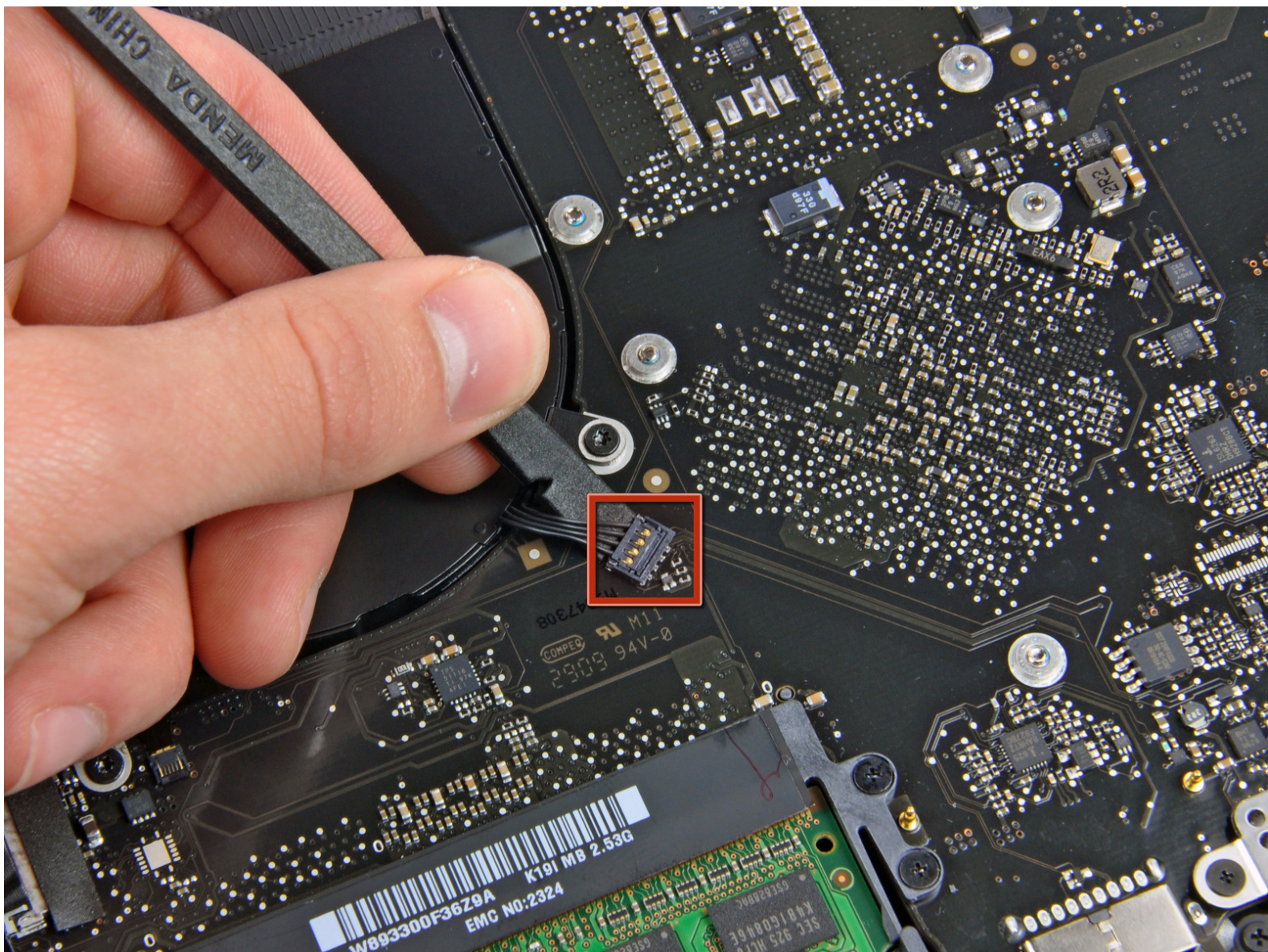




# MacBook Pro 15" Unibody 2.53 GHz Mid 2009

## Fan Replacement

Written By: Walter Galan



## INTRODUCTION

Replace a faulty fan to keep CPU temperatures down.



### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [T6 Torx Screwdriver](#) (1)



### PARTS:

- [MacBook Pro 15" Unibody \(2.53 GHz Mid 2009\) or 17" Unibody \(Early/Mid 2009\) Right Fan](#) (1)



## Step 1 — Lower Case



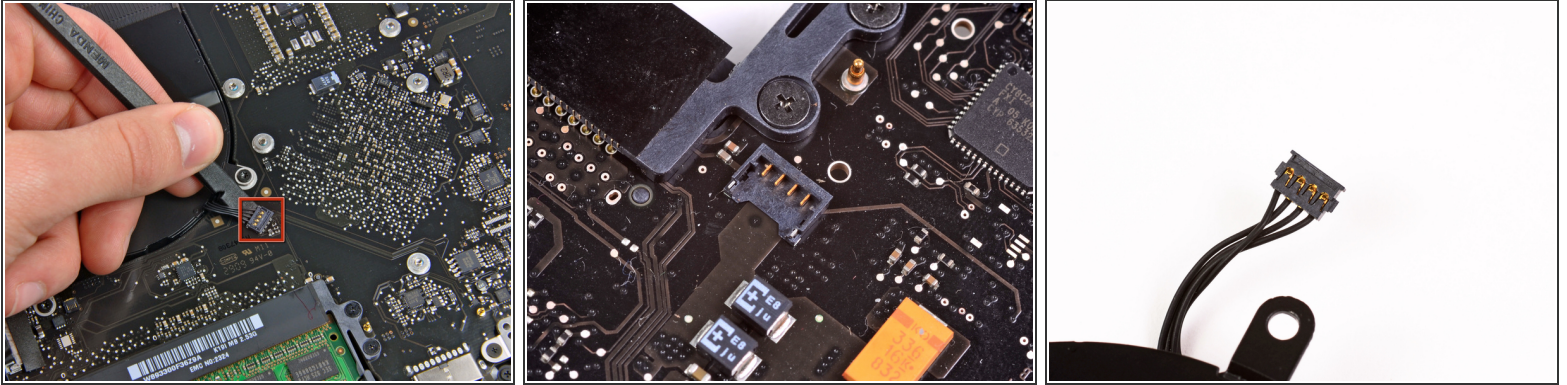
- Remove the following ten screws securing the lower case to the upper case:
  - Seven 3 mm Phillips screws.
  - Three 13.5 mm Phillips screws.

## Step 2



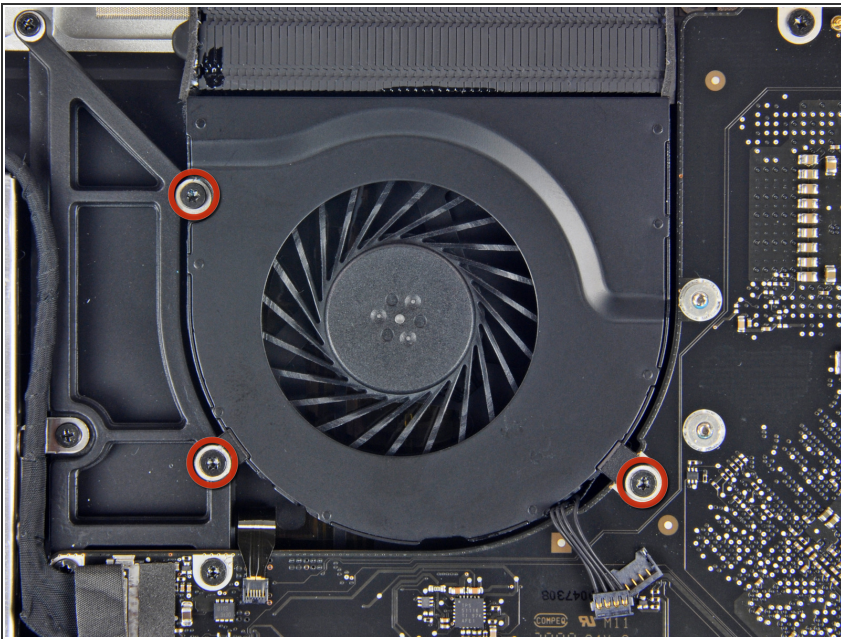
- Using both hands, lift the lower case near the vent to pop it off two clips securing it to the upper case.
- Remove the lower case and set it aside.

## Step 3 — Fan



- Use the flat end of a spudger to pry the fan cable connector up off its socket on the logic board.
- ⓘ It is useful to twist the spudger axially from beneath the fan cable wires to release the connector.
- ⚠ The fan socket and the fan connector can be seen in the second and third pictures. Be careful not to break the plastic fan socket off the logic board as you use your spudger to lift the fan connector straight up and out of its socket. The layout of the logic board shown in the second picture may look slightly different than your machine but the fan socket is the same.

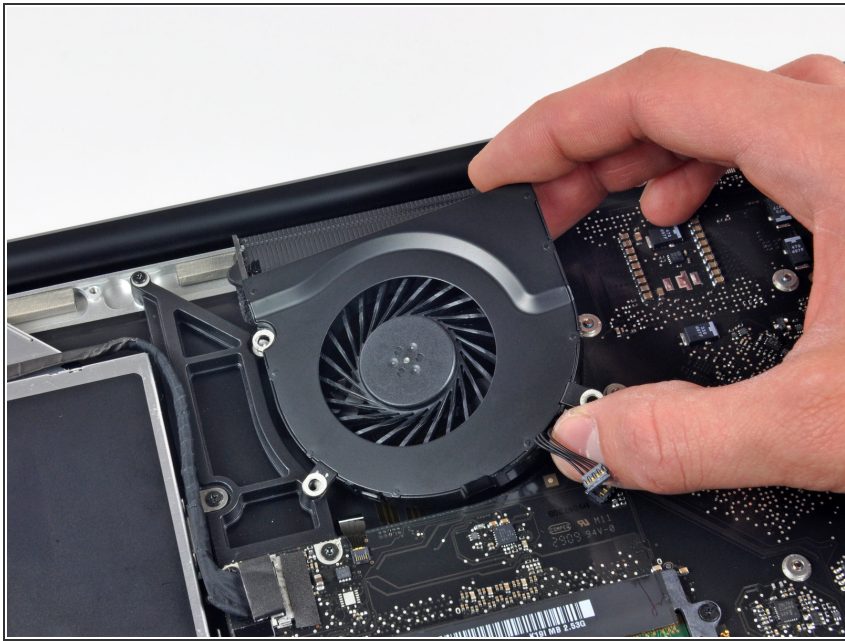
## Step 4



- Remove the three identical T6 Torx screws securing the fan to the upper case.



## Step 5



- Lift the fan out of the upper case.

To reassemble your device, follow these instructions in reverse order.

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